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T Painter
J Beerends
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Perceptual evaluation of speech quality (PESQ)-a new method forspeech quality assessment of ... - all 6 versions »
AW Rix, JG Beerends, MP Hollier, AP Hekstra, I ... - Acoustics, Speech, and Signal Processing, 2001. Proceedings. ..., 2001 - ieeexplore.ieee.org
... for use across a wider range of network conditions, including analogue connections, **codecs**, packet loss and variable delay. Known as **perceptual** evaluation of ...
Cited by 51 - Related Articles - Web Search - BL Direct

A perceptual speech-quality measure based on a psychoacoustic sound representation
JG BEERENDS, JA STEMERDINK - Journal of the Audio Engineering Society, 1994 - cat.inist.fr
A **perceptual** speech-quality measure based on a psychoacoustic sound representation. ... internal representation of the input and output signals of a speech **codec**. ...
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Perceptual coding of digital audio - all 26 versions »
T Painter, A Spanias - Proceedings of the IEEE, 2000 - ieeexplore.ieee.org
... 7(b), the function specified by (6) differs from the critical bandwidth of (2).
Of particular interest for **perceptual** **codec** designers, the ERB scale implies ...
Cited by 227 - Related Articles - Web Search - BL Direct

[PS] WLPAC a perceptual audio codec in a nutshell - all 2 versions »
A Hrm, UK Laine, M Karjalainen - AES 102nd Conv. preprint, 1997 - acoustics.hut.fi
Page 1. WLPAC - a **Perceptual** Audio **Codec** in a Nutshell Aki Hrm Unto K. Laine Matti Karjalainen aqi@cc.hut.fi Unto.Laine@hut.fi Matti ...
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Subjective evaluation of state-of-the-art 2-channel audio codecs - all 2 versions »
GA Soulodre, T Grusec, M Lavoie, L Thibault - J. Audio Eng. Soc, 1998 - telos-systems.com
... per stereo pair was the only **codec** tested which met the audio quality requirement outlined in the ITU-R Recommendation BS.1115 [8] for **perceptual** audio **codecs** ...
Cited by 34 - Related Articles - View as HTML - Web Search - BL Direct

An objective video quality assessment system based on human perception - all 11 versions »
AA Webster, CT Jones, MH Pinson, SD Voran, S Wolf - SPIE Human Vision, Visual Processing, and Digital Display IV, 1913 - cs.cmu.edu
... When the **codec** does update the information (last column), the motion appears jerky. ...
Thus, the time history of TI quantifies the **perception** of this motion. ...
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... Those **perceptual** measurement methods detect and assess audible artefacts by comparing the output of the **codec** with the uncoded reference. ...

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[CITATION] Extending the MPEG-4 AAC **codec** by **perceptual** noise substitution
J Herre, D Schulz - Proc. 104th Audio Eng. Soc. Conv
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Performance of current **perceptual** objective speech quality measures
L Thorpe, W Yang - Speech Coding Proceedings, 1999 IEEE Workshop on, 1999 -
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... used in **codecs** and by the failure of speech production models in general to adequately
describe the listener's auditory response. **Perceptual** domain measures ...
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Perceptual evaluation of speech quality (PESQ), the new ITU standard for end-to-end speech quality ... - all 5 versions »
JG Beerends, AP Hekstra, AW Rix, MP Hollier - Journal of the Audio Engineering Society,
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... model for **perceptual** evaluation of speech quality (PESQ) was recently standardised
by the ITU-T as recommendation P.862. Unlike previous **codec** assessment models ...
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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	16	(("5960398") or ("6144723") or ("6173317") or ("6212199") or ("6233389") or ("6370506") or ("6434253") or ("6570964")).PN.	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/05/14 14:21
S2	44	("6173317").URPN.	USPAT	OR	ON	2007/05/14 14:26
S3	7	("4939515" | "5023730" | "5130864" | "5319735" | "5428598" | "5530751" | "5579120").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/14 14:29
S4	25	("5960398").URPN.	USPAT	OR	ON	2007/05/14 14:31
S5	163	(transmit$3 send$3) near2 ((speech voice) near text)	USPAT	OR	ON	2007/05/14 14:33
S6	49	S5 and speech adj recognition	USPAT	OR	ON	2007/05/14 14:48
S7	2	("6100882").PN.	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/05/14 14:48
S8	20	("6100882").URPN.	USPAT	OR	ON	2007/05/14 15:02
S9	13	("4599612" | "5677739" | "5724410" | "5732216" | "5777997" | "5956681" | "5987405" | "6026360" | "6047252" | "6119078" | "6141341" | "6144991" | "6151576").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/14 15:47
S10	17	("6151576").URPN.	USPAT	OR	ON	2007/05/14 15:53
S11	5	("5031113" | "5625711" | "5729637" | "5799273" | "6026360").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/14 15:57
S12	6	("6820055").URPN.	USPAT	OR	ON	2007/05/14 17:09

S13	16	("5146439" | "5424785" | "5497241" | "5563804" | "5732216" | "5740245" | "5751338" | "5805153" | "5845150" | "5852721" | "5900908" | "5926787" | "5950194" | "5990908" | "6100882" | "6317777").PN.	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/14 17:41
S14	35	encod$3 near (speech audio voice) near (text)	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/15 15:41
S15	24	("20020001302" | "20020031086" | "20020089975" | "20020124100" | "5867495" | "5963551" | "6100882" | "6345239" | "6408272" | "6430174" | "6449588" | "6463404" | "6490550" | "6507643" | "6513003" | "6584098" | "6600733" | "6601029" | "6614781" | "6614888" | "6618369" | "6621834" | "6671262" | "6816468").PN.	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/14 17:59
S16	87	(embed$3 combin$3) near (speech audio voice) near (text)	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/15 15:42
S17	35	encod$3 near (speech audio voice) near (text)	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/15 15:42
S18	85	S16 not S17	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/15 15:54
S19	22948	(creamer jaiswal moore).in.	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/15 15:55
S20	81	S19 and speech.clm.	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/15 15:56
S21	39	S20 and text.clm.	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/15 15:56
S22	414	S19 and (speech voice audio). clm.	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/15 16:00

S23	74	S22 and text.clm.	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/15 16:01
S24	12	S23 and translat$3.clm.	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/15 16:01
S25	157335	(ibm (international business machines)).as.	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/15 16:00
S26	3895	S25 and (speech voice audio). clm.	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/15 16:00
S27	799	S26 and text.clm.	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/15 16:01
S28	78	S27 and translat$3.clm.	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/15 16:02
S29	18	S28 and transmitt$3.clm.	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/15 17:01
S30	20	perceptual adj codec	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/15 17:02
S31	11	("20020049984" | "20020067812" | "20030044002" | "4805205" | "5319735" | "5519780" | "5559875" | "5893067" | "5963217" | "6201859" | "6611607").PN.	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/15 17:24
S32	1360	(inaudible audible) adj2 speech	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/15 17:24
S33	1008	(inaudible audible) adj speech	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/15 17:27
S34	968	S32 and transmit$3	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/15 17:27
S35	137	S34 and codec	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/15 17:28

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S36	19	inaudible adj2 speech	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/15 17:33
S37	164	inaudible adj2 (audio voice)	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/15 17:33
S38	10	S37 and (remov$3 replac$3 chang$3) adj2 inaudible adj2 (audio voice)	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/15 17:35
S39	2	("6504910").URPN.	USPAT	OR	ON	2007/05/16 12:25